

Sachin Patel

List of Publications by Year in descending order

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80
papers

6,001
citations

81900

39
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74163

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84
all docs

84
docs citations

84
times ranked

4786
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurobiological Interactions Between Stress and the Endocannabinoid System. <i>Neuropsychopharmacology</i> , 2016, 41, 80-102.	5.4	453
2	Endocannabinoid Signaling Negatively Modulates Stress-Induced Activation of the Hypothalamic-Pituitary-Adrenal Axis. <i>Endocrinology</i> , 2004, 145, 5431-5438.	2.8	412
3	Pharmacological Evaluation of Cannabinoid Receptor Ligands in a Mouse Model of Anxiety: Further Evidence for an Anxiolytic Role for Endogenous Cannabinoid Signaling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 304-311.	2.5	342
4	Downregulation of Endocannabinoid Signaling in the Hippocampus Following Chronic Unpredictable Stress. <i>Neuropsychopharmacology</i> , 2005, 30, 508-515.	5.4	313
5	Inhibition of restraint stress-induced neural and behavioural activation by endogenous cannabinoid signalling. <i>European Journal of Neuroscience</i> , 2005, 21, 1057-1069.	2.6	260
6	Functional Interactions between Stress and the Endocannabinoid System: From Synaptic Signaling to Behavioral Output. <i>Journal of Neuroscience</i> , 2010, 30, 14980-14986.	3.6	202
7	Corticotropin-Releasing Hormone Drives Anandamide Hydrolysis in the Amygdala to Promote Anxiety. <i>Journal of Neuroscience</i> , 2015, 35, 3879-3892.	3.6	196
8	The endocannabinoid system as a target for novel anxiolytic drugs. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 76, 56-66.	6.1	182
9	Prefrontal inputs to the amygdala instruct fear extinction memory formation. <i>Science Advances</i> , 2015, 1, .	10.3	181
10	Integrating Endocannabinoid Signaling and Cannabinoids into the Biology and Treatment of Posttraumatic Stress Disorder. <i>Neuropsychopharmacology</i> , 2018, 43, 80-102.	5.4	170
11	Synergistic Interactions between Cannabinoids and Environmental Stress in the Activation of the Central Amygdala. <i>Neuropsychopharmacology</i> , 2005, 30, 497-507.	5.4	148
12	The Therapeutic Potential of the Endocannabinoid System for the Development of a Novel Class of Antidepressants. <i>Trends in Pharmacological Sciences</i> , 2009, 30, 484-493.	8.7	147
13	Differential Regulation of the Endocannabinoids Anandamide and 2-Arachidonoylglycerol within the Limbic Forebrain by Dopamine Receptor Activity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 306, 880-888.	2.5	144
14	Adaptations in endocannabinoid signaling in response to repeated homotypic stress: a novel mechanism for stress habituation. <i>European Journal of Neuroscience</i> , 2008, 27, 2821-2829.	2.6	139
15	Genetic Disruption of 2-Arachidonoylglycerol Synthesis Reveals a Key Role for Endocannabinoid Signaling in Anxiety Modulation. <i>Cell Reports</i> , 2014, 9, 1644-1653.	6.4	135
16	Repeated Homotypic Stress Elevates 2-Arachidonoylglycerol Levels and Enhances Short-Term Endocannabinoid Signaling at Inhibitory Synapses in Basolateral Amygdala. <i>Neuropsychopharmacology</i> , 2009, 34, 2699-2709.	5.4	133
17	The general anesthetic propofol increases brain N -arachidonyl ethanolamine (anandamide) content and inhibits fatty acid amide hydrolase. <i>British Journal of Pharmacology</i> , 2003, 139, 1005-1013.	5.4	123
18	The postmortal accumulation of brain N-arachidonyl ethanolamine (anandamide) is dependent upon fatty acid amide hydrolase activity. <i>Journal of Lipid Research</i> , 2005, 46, 342-349.	4.2	114

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19	Reversible Gating of Endocannabinoid Plasticity in the Amygdala by Chronic Stress: A Potential Role for Monoacylglycerol Lipase Inhibition in the Prevention of Stress-Induced Behavioral Adaptation. <i>Neuropsychopharmacology</i> , 2011, 36, 2750-2761.	5.4	110
20	Antipsychotic-like Effects of M 4 Positive Allosteric Modulators Are Mediated by CB 2 Receptor-Dependent Inhibition of Dopamine Release. <i>Neuron</i> , 2016, 91, 1244-1252.	8.1	110
21	Substrate-selective COX-2 inhibition decreases anxiety via endocannabinoid activation. <i>Nature Neuroscience</i> , 2013, 16, 1291-1298.	14.8	109
22	Endocannabinoid signalling modulates susceptibility to traumatic stress exposure. <i>Nature Communications</i> , 2017, 8, 14782.	12.8	108
23	Substrate-selective COX-2 inhibition as a novel strategy for therapeutic endocannabinoid augmentation. <i>Trends in Pharmacological Sciences</i> , 2014, 35, 358-367.	8.7	95
24	Prolonged glucocorticoid treatment decreases cannabinoid CB ₁ receptor density in the hippocampus. <i>Hippocampus</i> , 2008, 18, 221-226.	1.9	86
25	Translational evidence for the involvement of the endocannabinoid system in stress-related psychiatric illnesses. <i>Biology of Mood & Anxiety Disorders</i> , 2013, 3, 19.	4.7	84
26	The fatty acid amide hydrolase inhibitor PF-3845 promotes neuronal survival, attenuates inflammation and improves functional recovery in mice with traumatic brain injury. <i>Neuropharmacology</i> , 2014, 85, 427-439.	4.1	82
27	Functional Redundancy Between Canonical Endocannabinoid Signaling Systems in the Modulation of Anxiety. <i>Biological Psychiatry</i> , 2017, 82, 488-499.	1.3	81
28	Therapeutic endocannabinoid augmentation for mood and anxiety disorders: comparative profiling of FAAH, MAGL and dual inhibitors. <i>Translational Psychiatry</i> , 2018, 8, 92.	4.8	76
29	An endocannabinoid-regulated basolateral amygdala nucleus accumbens circuit modulates sociability. <i>Journal of Clinical Investigation</i> , 2020, 130, 1728-1742.	8.2	72
30	Ketamine and MAG Lipase Inhibitor-Dependent Reversal of Evolving Depressive-Like Behavior During Forced Abstinence From Alcohol Drinking. <i>Neuropsychopharmacology</i> , 2016, 41, 2062-2071.	5.4	70
31	Multiple Mechanistically Distinct Modes of Endocannabinoid Mobilization at Central Amygdala Glutamatergic Synapses. <i>Neuron</i> , 2014, 81, 1111-1125.	8.1	69
32	Endocannabinoid control of the insular-bed nucleus of the stria terminalis circuit regulates negative affective behavior associated with alcohol abstinence. <i>Neuropsychopharmacology</i> , 2019, 44, 526-537.	5.4	68
33	CaMKII regulates diacylglycerol lipase- α and striatal endocannabinoid signaling. <i>Nature Neuroscience</i> , 2013, 16, 456-463.	14.8	65
34	Phasic Dopamine Signals in the Nucleus Accumbens that Cause Active Avoidance Require Endocannabinoid Mobilization in the Midbrain. <i>Current Biology</i> , 2018, 28, 1392-1404.e5.	3.9	64
35	Cannabinoid-induced Fos expression within A10 dopaminergic neurons. <i>Brain Research</i> , 2003, 963, 15-25.	2.2	63
36	Endocannabinoid Signaling Collapse Mediates Stress-Induced Amygdalo-Cortical Strengthening. <i>Neuron</i> , 2020, 105, 1062-1076.e6.	8.1	62

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37	Role of Endocannabinoid Signaling in Anxiety and Depression. <i>Current Topics in Behavioral Neurosciences</i> , 2009, 1, 347-371.	1.7	48
38	Sustained glucocorticoid exposure recruits cortico-limbic CRH signaling to modulate endocannabinoid function. <i>Psychoneuroendocrinology</i> , 2016, 66, 151-158.	2.7	47
39	Cyclooxygenase-2 inhibition reduces stress-induced affective pathology. <i>ELife</i> , 2016, 5, .	6.0	45
40	Dynamic remodeling of a basolateral-to-central amygdala glutamatergic circuit across fear states. <i>Nature Neuroscience</i> , 2019, 22, 2000-2012.	14.8	45
41	InÂvivo endocannabinoid dynamics at the timescale of physiological and pathological neural activity. <i>Neuron</i> , 2021, 109, 2398-2403.e4.	8.1	38
42	Fluoxetine Facilitates Fear Extinction Through Amygdala Endocannabinoids. <i>Neuropsychopharmacology</i> , 2016, 41, 1598-1609.	5.4	37
43	Driving the Downward Spiral: Alcoholâ€nduced Dysregulation of Extended Amygdala Circuits and Negative Affect. <i>Alcoholism: Clinical and Experimental Research</i> , 2019, 43, 2000-2013.	2.4	37
44	Role of Striatal Direct Pathway 2-Arachidonoylglycerol Signaling in Sociability and Repetitive Behavior. <i>Biological Psychiatry</i> , 2018, 84, 304-315.	1.3	36
45	2-Arachidonoylglycerol Modulation of Anxiety and Stress Adaptation: From Grass Roots to Novel Therapeutics. <i>Biological Psychiatry</i> , 2020, 88, 520-530.	1.3	36
46	Cocaine-induced endocannabinoid signaling mediated by sigma-1 receptors and extracellular vesicle secretion. <i>ELife</i> , 2019, 8, .	6.0	36
47	Inhibition of Diacylglycerol Lipase Impairs Fear Extinction in Mice. <i>Frontiers in Neuroscience</i> , 2018, 12, 479.	2.8	32
48	Dissociable effects of CB1 receptor blockade on anxiety-like and consummatory behaviors in the novelty-induced hypophagia test in mice. <i>Psychopharmacology</i> , 2013, 228, 401-409.	3.1	31
49	Detection of Cyclooxygenase-2-Derived Oxygenation Products of the Endogenous Cannabinoid 2-Arachidonoylglycerol in Mouse Brain. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1552-1559.	3.5	28
50	The initiation of synaptic 2-AG mobilization requires both an increased supply of diacylglycerol precursor and increased postsynaptic calcium. <i>Neuropharmacology</i> , 2015, 91, 57-62.	4.1	23
51	Acute and chronic ethanol exposure differentially regulate CB1 receptor function at glutamatergic synapses in the rat basolateral amygdala. <i>Neuropharmacology</i> , 2016, 108, 474-484.	4.1	22
52	Cyclooxygenase-2 inhibition reduces anxiety-like behavior and normalizes enhanced amygdala glutamatergic transmission following chronic oral corticosterone treatment. <i>Neurobiology of Stress</i> , 2019, 11, 100190.	4.0	19
53	Endocannabinoid Signaling in the Central Amygdala and Bed Nucleus of the Stria Terminalis: Implications for the Pathophysiology and Treatment of Alcohol Use Disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2019, 43, 2014-2027.	2.4	16
54	The CB1 receptor antagonist SR141716 enhances stimulus-induced activation of the primary somatosensory cortex of the rat. <i>Neuroscience Letters</i> , 2002, 335, 95-98.	2.1	14

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55	Targeting diacylglycerol lipase reduces alcohol consumption in preclinical models. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	13
56	Leptin Receptor Signaling in Sim1-Expressing Neurons Regulates Body Temperature and Adaptive Thermogenesis. <i>Endocrinology</i> , 2019, 160, 863-879.	2.8	12
57	The association between endogenous opioid function and morphine responsiveness: a moderating role for endocannabinoids. <i>Pain</i> , 2019, 160, 676-687.	4.2	12
58	Aspects of Prostaglandin Glycerol Ester Biology. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1161, 77-88.	1.6	12
59	Cannabis use and posttraumatic stress disorder comorbidity: Epidemiology, biology and the potential for novel treatment approaches. <i>International Review of Neurobiology</i> , 2021, 157, 143-193.	2.0	10
60	Electrophysiological Measurement of Cannabinoid-Mediated Synaptic Modulation in Acute Mouse Brain Slices. <i>Current Protocols in Neuroscience</i> , 2016, 75, 6.29.1-6.29.19.	2.6	9
61	A Guide to the National Academy of Science Report on Cannabis: An Exclusive Discussion with Panel Members. <i>Cannabis and Cannabinoid Research</i> , 2017, 2, 155-159.	2.9	8
62	Cyclooxygenase-2 inhibition prevents stress induced amygdala activation and anxiety-like behavior. <i>Brain, Behavior, and Immunity</i> , 2020, 89, 513-517.	4.1	8
63	β -adrenergic heteroreceptors are required for stress-induced reinstatement of cocaine conditioned place preference. <i>Neuropsychopharmacology</i> , 2020, 45, 1473-1481.	5.4	8
64	A cellular basis for the munchies. <i>Nature</i> , 2015, 519, 38-40.	27.8	7
65	The Anxiolytic Actions of 2-Arachidonoylglycerol: Converging Evidence From Two Recent Genetic Endocannabinoid Deficiency Models. <i>Biological Psychiatry</i> , 2016, 79, e78-e79.	1.3	7
66	Endogenous cannabinoids are required for MC4R-mediated control of energy homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	6
67	The Endocannabinoid 2-Arachidonoylglycerol Bidirectionally Modulates Acute and Protracted Effects of Predator Odor Exposure. <i>Biological Psychiatry</i> , 2022, 92, 739-749.	1.3	6
68	The endocannabinoid system in humans: significant associations between anandamide, brain function during reward feedback and a personality measure of reward dependence. <i>Neuropsychopharmacology</i> , 2021, 46, 1020-1027.	5.4	5
69	CaMKII Modulates Diacylglycerol Lipase Activity in the Rat Nucleus Accumbens after Incubation of Cocaine Craving. <i>ENeuro</i> , 2021, 8, ENEURO.0220-21.2021.	1.9	5
70	Impact of cyclooxygenase-2 inhibition on cannabis withdrawal and circulating endocannabinoids in daily cannabis smokers. <i>Addiction Biology</i> , 2022, 27, .	2.6	4
71	Cortisol-stress: post-stress corticosterone administration prevents delayed-onset biobehavioral consequences. <i>Neuropsychopharmacology</i> , 2020, 45, 2135-2136.	5.4	3
72	Ritualistic excoriation and blood-letting resulting in anemia in borderline personality disorder. <i>General Hospital Psychiatry</i> , 2006, 28, 539-540.	2.4	2

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73	High Times for Low-Frequency Stimulation as Endocannabinoids Engage in Hippocampal Long-Term Depression. <i>Neuropsychopharmacology</i> , 2012, 37, 583-585.	5.4	2
74	Cocaine restricts nucleus accumbens feedforward drive through a monoamine-independent mechanism. <i>Neuropsychopharmacology</i> , 2021, , .	5.4	2
75	An Odyssey of Fear: Homer Stresses New Mechanisms. <i>Biological Psychiatry</i> , 2010, 68, 980-981.	1.3	1
76	Endocannabinoid signaling and stress resilience. , 2020, , 349-362.		0
77	Arrested Development: A Story of How Perinatal Cannabinoids Affect the Maturation of the Prefrontal Cortex. <i>Biological Psychiatry</i> , 2020, 87, 595-596.	1.3	0
78	Endocannabinoid Signaling Collapse Mediates Stress-Induced Amygdalo-Cortical Strengthening. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
79	Endogenous cannabinoids are required for MC4R-mediated control of energy homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	0
80	Characterizing the transcriptionallyâ€activated ensembles recruited by cocaine in the nucleus accumbens. <i>FASEB Journal</i> , 2022, 36, .	0.5	0